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PATENT

In re application of: *Qing Shen*

Serial No. : 10/729,110

Filed : December 5, 2003

For : **SINGLE ENGINE TURBO DECODER WITH  
SINGLE FRAME SIZE BUFFER FOR  
INTERLEAVING/DEINTERLEAVING**

Examiner : Unknown

Art Unit : 2133

I hereby certify that this correspondence and all  
marked attachments are being deposited with the  
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March 23, 2004

(Date)

*Barbara S. Kelly*  
Barbara S. Kelly

3/23/04

COMMISSIONER FOR PATENTS  
P.O. BOX 1450  
ALEXANDRIA, VA 22313-1450

Sir:

Enclosed herewith please find the following documents with regard to the above-identified application:

1. Revocation of Power of Attorney and Appointment or New Power of Attorney, 1 page;
2. Statement Under 37 CFR 3.73(b);
3. A photocopy of an fully executed Assignment being recorded concurrently herewith, 2 pages; and
4. Return prepaid postcard.

Dated: March 23, 2004

*Martin J. Jaquez*  
Martin J. Jaquez  
Registration No. 38,060  
750 B Street, Suite 2640  
San Diego, CA 92101  
(619) 238-1814  
(619) 238-2426



PTO/SB/82 (08-03)  
Approved for use through 11/30/2005. OMB 0651-0035  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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<b>REVOCATION OF POWER OF ATTORNEY and APPOINTMENT OF NEW POWER OF ATTORNEY</b>	Application Number	10/729,110
	Filing Date	12/05/03
	First Named Inventor	Qiang Shen
	Art Unit	Unknown
	Examiner Name	Unknown
	Attorney Docket Number	VIA-007-CIP

I hereby revoke all previous powers of attorney given in the above-identified application.  
☐ A Power of Attorney is submitted herewith.

**OR**

☒ I hereby appoint the practitioner(s) named below:

NAME	REGISTRATION NUMBER
Martin J. Jaquez	38,060
William C. Boling	41,625
Larry D. Flesner, Ph.D.	37,827
Erik M. Vieira	53,723
Timothy Croll	36,771
Sandeep Jaggi	43,331
Leo Peters	33,562
David Pursel	28,659
Peter Scott	33,279

**OR**

☐ I hereby appoint the practitioners at Customer Number:

☒ Please recognize or change the correspondence address for the above-identified application to:

☐ The address associated with Customer Number:

<input checked="" type="checkbox"/>	Firm or Individual Name	Jaquez & Associates				
Address		750 B Street, Suite 2640				
Address						
City	San Diego	State	CA	Zip	92101	
Country	USA					
Telephone	(619) 238-1814	Fax	(619) 238-2426			

I am the:  
☐ Applicant/Inventor.  
☒ Assignee of record of the entire interest. See 37 CFR 3.71.  
*Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96)*

**SIGNATURE of Applicant or Assignee of Record**

Name	Sandeep Jaggi	Company:	LSI Logic Corporation
Signature		Title:	Chief IP Counsel and Assistant Corporate Secretary
Date	3-18-04	Telephone	

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below\*.

☐ \*Total of \_\_\_\_\_ forms are submitted.



PTO/55/06 (03-03)  
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**STATEMENT UNDER 37 CFR 3.73(b)**

Applicant/Patent Owner: Qiang Shen

Application No./Patent No.: 10/729,110 Filed/Issue Date: December 5, 2003

Entitled: SINGLE ENGINE TURBO DECODER WITH SINGLE FRAME SIZE BUFFER IN INTERLEAVING/DEINTERLEAVING

LSI Logic Corporation, a Delaware

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of less than the entire right, title and interest.  
The extent (by percentage) of its ownership interest is \_\_\_\_\_ %  
in the patent application/patent identified above by virtue of either:

A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

OR

B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.
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The document was recorded in the United States Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.
3. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

☐ Copies of assignments or other documents in the chain of title are attached.

(NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08)

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

3-23-2004  
Date

(619) 238-1814

Telephone number

Martin J. Jaquez, Reg. No. 39,060

Typed or printed name

Signature

Attorney of Record

Title

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 36 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

**ASSIGNMENT**

WHEREAS, I, Qiang Shen, of 7689 Pipit Place, San Diego, CA 92129, U.S.A., hereinafter referred to as the Assignor, am the inventor of certain new and useful improvements in a "SINGLE ENGINE TURBO DECODER WITH SINGLE FRAME SIZE BUFFER FOR INTERLEAVING/DEINTERLEAVING"

☐ for which an application for a United States Patent is attached hereto; and

☒ for which an application for a United States Patent was filed on December 5, 2003, and assigned U.S. Application No.10/729,110; and

WHEREAS, LSI Logic Corporation, hereinafter referred to as the Assignee, of 1621 Barber Lane, D-106, Milpitas, California 95035, a Delaware corporation, is desirous of acquiring the entire right, title and interest in and to said new and useful improvements and in and to said application, and in, to and under any and all Letters Patent which may be granted on or as a result thereof in any and all countries:

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00), and other good and valuable consideration, the receipt of which is hereby acknowledged, I, said Assignors, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over to said Assignee, the entire right, title and interest in and to said new and useful improvements and said application and any and all continuations, divisions and renewals of and substitutes for said application, and in, to and under any and all Letters Patent which may be granted on or as a result thereof in the United States and any and all other countries, and any reissue or reissues or extension or extensions of said Letters Patent, and assign to and authorize said Assignee, to file in my name applications for Letters Patent in all countries, the same to be held and enjoyed by said Assignee, its successors, assigns, nominees or legal representatives, to the full end of the term or terms for which said Letters Patent respectively may be granted, reissued or extended, as fully and entirely as the same would have been held and enjoyed by me had this assignment, sale and transfer not been made.

DOCKET NO.: VIA-007-CIP  
Appln. No.: 10/729,110  
Filed: December 5, 2003


PATENT

AND I hereby covenant that I have full right to convey the entire interest herein assigned, and that I have not executed and will not execute any agreement in conflict herewith, and I further covenant and agree that I will each time request is made and without undue delay, execute and deliver all such papers as may be necessary or desirable to perfect the title to said new and useful improvements, said application and said Letters Patent to said Assignee, its successors, assigns, nominees, or legal representatives, and I agree to communicate to said Assignee or to its nominee all known facts respecting said new and useful improvements, said application and said Letters Patent, to testify in any legal proceedings, to sign all lawful papers, to execute all disclaimers and divisional, continuing, reissue and foreign applications, to make all rightful oaths, and generally to do everything possible to aid said Assignee, its successors, assigns, nominees and legal representatives to obtain and enforce for its or their own benefit proper patent protection for said new and useful improvements in any and all countries.

AND I hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any country or countries foreign to the United States whose duty it is to issue patents on applications as aforesaid, to issue to said Assignee, as assignee of the entire right, title and interest, any and all Letters Patent for said new and useful improvements, including any and all Letters Patent of the United States which may be issued and granted on or as a result of the application aforesaid, in accordance with the terms of this assignment.

01/29/04

Date

  
Qiang Shen

1/29/04

Date

  
Witness